[0054] However, shape of the supporting unit **10** is not limited that is shown in the drawings, on the contrary, various shapes may possible according to positions of the connecting surface of the CVT **20** and the oil pump **30**.

[0055] As described above, according to the exemplary embodiment of the present invention, the supporting unit **10** is disposed between the CVT **20** and the oil pump **30** and prevents the CVT input shaft **22** and the oil pump rotating shaft **32** from moving or oscillating.

[0056] And the supporting unit **10** may maintain movement of the chain **50** uniformly. And thus, the supporting unit **10** may minimize noise and vibration due to movement of a chain **50** or a belt.

[0057] While this invention has been described in connection with what is presently considered to be practical exemplary embodiments, it is to be understood that the invention is not limited to the disclosed embodiments. On the contrary, it is intended to cover various modifications and equivalent arrangements included within the spirit and scope of the appended claims.

[0058] For convenience in explanation and accurate definition in the appended claims, the terms "upper" and "lower" are used to describe features of the exemplary embodiments with reference to the positions of such features as displayed in the figures.

[0059] The foregoing descriptions of specific exemplary embodiments of the present invention have been presented for purposes of illustration and description. They are not intended to be exhaustive or to limit the invention to the precise forms disclosed, and obviously many modifications and variations are possible in light of the above teachings. The exemplary embodiments were chosen and described in order to explain certain principles of the invention and their practical application, to thereby enable others skilled in the art to make and utilize various exemplary embodiments of the present invention, as well as various alternatives and modifications thereof. It is intended that the scope of the invention be defined by the Claims appended hereto and their equivalents.

What is claimed is:

1. A supporting unit apparatus for an oil pump of a continuously variable transmission (CVT) comprising:
- the CVT disposed in a transmission housing, wherein an input shaft and a CVT case cover thereof are disposed thereto;
- the oil pump which is disposed in the transmission housing independent from the CVT and of which a rotating shaft and an oil pump case cover are disposed thereto;
- a connecting member which engages the input shaft of the CVT and the rotating shaft of the oil pump for transmitting rotation of the input shaft to the rotating shaft; and
- a supporting unit which connects the CVT and the oil pump for preventing relative motion of the CVT and the oil pump.

2. The supporting unit apparatus of claim **1**, wherein the connecting member is a chain.

3. The supporting unit apparatus of claim **1**, wherein:
- an end of the supporting unit is connected to the CVT case cover; and
- another end of the supporting unit is connected to the oil pump case cover.

4. The supporting unit apparatus of claim **3**, wherein the supporting unit further includes a stepped surface for connecting the CVT case cover and the oil pump case cover which form connecting surfaces that are not on the same level.

5. The supporting unit apparatus of claim **3**, wherein the supporting unit connects a CVT case with the CVT case cover, and connects the oil pump with the oil pump case cover.

6. The supporting unit apparatus of claim **5**, wherein the supporting unit further includes a stepped surface.

7. The supporting unit apparatus of claim **1**, wherein the supporting unit is formed as a plate shape.

8. The supporting unit apparatus of claim **1**, wherein the supporting unit further includes a stepped surface for connecting the CVT case cover and the oil pump case cover which form connecting surfaces that are not on the same level.

9. The supporting unit apparatus of claim **1**, wherein the supporting unit is formed as a hollow plate having a hole therein for preventing vibration and crack due to twist according to interaction between the CVT and the oil pump.

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